BRUHAT BANGALORE MAHANAGARA PALIKE

EXCECUTIVE ENGINEER DASARAHALLI PROJECT DIVISION

Name of work:Development of Water Fountain Civil Works at Proposed Mallasandra Park in Mallasandra Ward no.13 Shettihalli Sub Division

JOB NUMBER.: SI-3 | Est. Amount | 100.00

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete asper specifications.MORTH / Chapter 3(I No-19.1, P No-133)								
	Water Fountain								
	For Steps								
	North SideLast Step Platform								
	Plat form	Cum	1	13.80	3.20	0.25	11.04		
			1	10.10	3.10	0.25	7.83		
	South Side SSM Foundation		1	43.45	1.20	0.90	46.93		
						Total Qty	65.79	170.92	11245.43
2	Providing and Filling in foundation with granite/trap broken metal 100 mm and down size,with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. (Item No.2.15, Page No.6, SR: 2016-17)								
	Water Fountain								
	For Steps								
	North SideLast Step Platform								
	Plat form	Cum	1	13.80	3.20	0.25	11.04		
			1	10.10	3.10	0.25	7.83		
	South Side SSM Foundation		1	43.45	1.20	0.25	13.04		
						Total Qty	31.90	2240.84	71488.40
3	KSRB 4-1.2 : Providing and laying in position plain cement concrete of cum mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (I.No:4.2, P.No:12, SR 2016-17)								
	Water Fountain								
	For Steps								
	North SideLast Step Platform								
	Plat form	Cum	1	13.80	3.20	0.15	6.62		
			1	10.10	3.10	0.15	4.70		
	South Side SSM Foundation		1	43.45	1.20	0.15	7.82		
	Water Fountain Area		1	1900.00		0.15	285.00		
						Total Qty	304.14	5348.76	1626779.89
4	KSRB 5.3-3: Providing and constructing granite / trap / basalt size stone masoniy in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 .Using Available Stones								
	For Steps								
	Water Fountain Mallasandra(gutte)Park								
	For Tread		1	24.10	0.82	0.20	3.95		
	2nd Tread		1	24.10	0.90	0.20	4.34		
	3rd Tread		1	24.10	0.93	0.20	4.48		
	4th Tread		1	24.20	0.90	0.20	4.36		
	5th Tread		1	24.05	0.90	0.20	4.33		
	6th Tread		1	24.05	0.98	0.20	4.71		
	7th Tread		1	24.10	1.00	0.20	4.82		
	South Side Steps	Cum							
	Plinth		1	43.45	1.20	0.90	46.93		
	For Tread		1	43.45	1.05	0.20	9.12		

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate In Rs.	Amount In Rs.
	2nd Tread		1	43.10	0.94	0.20	8.10		
	3rd Tread		1	42.80	0.97	0.20	8.30		
	4th Tread		1	42.30	0.89	0.20	7.53		
	5th Tread		1	41.80	0.88	0.20	7.36		
	6th Tread		1	41.00	0.90	0.20	7.38		
	7th Tread		1	41.80	0.98	0.20	8.19		
	8th Tread		1	41.75	0.70	0.20	5.85		
	9th Tread		1	40.90	1.00	0.20	8.18		
						Total Qty	147.93	3735.00	552527.14
5	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded cum granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, nciuding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Item No.4.6, Page No.12, SR: 2016-17)								
	Water Fountain Mallasandra(gutte)Park								
	Coping								
	For Tread		1	24.10	0.82	0.075	1.48		
	2nd Tread		1	24.10	0.90	0.075	1.63		
	3rd Tread		1	24.10	0.93	0.075	1.68		
	4th Tread		1	24.20	0.90	0.075	1.63		
	5th Tread		1	24.05	0.90	0.075	1.62		
	6th Tread		1	24.05	0.98	0.075	1.77		
	7th Tread		1	24.10	1.00	0.075	1.81		
	South Side Steps								
	Plinth	Cum	1	43.45	1.20	0.075	3.91		
	For Tread		1	43.45	1.05	0.075	3.42		
	2nd Tread		1	43.10	0.94	0.075	3.04		
	3rd Tread		1	42.80	0.97	0.075	3.11		
	4th Tread		1	42.30	0.89	0.075	2.82		
	5th Tread		1	41.80	0.88	0.075	2.76		
	6th Tread		1	41.00	0.90	0.075	2.77		
	7th Tread		1	41.80	0.98	0.075	3.07		
	8th Tread		1	41.75	0.70	0.075	2.19		
	9th Tread		1	40.90	1.00	0.075	3.07		
						Total Qty	41.79	5767.46	241009.83
6	KSRB 4.2.1: Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super piasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspiliars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1,4.6 (Item No.4.10, Page No.13, SR: 2016-17)								
	Water Fountain Mallasandra(gutte)Park								
	North Side Steps		1	24.10	1.20	0.60	17.35		
	For Plinth GL		1	24.10	0.82	0.15	2.96		
	For Tread		1	24.10	0.90	0.15	3.25		
	2nd Tread		1	24.10	0.93	0.15	3.36		
	3rd Tread		1	24.20	0.90	0.15	3.27		
	4th Tread		1	24.05	0.90	0.15	3.25		
	5th Tread		1	24.05	0.98	0.15	3.54		
	6th Tread		1	24.10	1.00	0.15	3.62		
	7th Tread		1	24.10	0.28	0.15	1.01		
	For Raise		1	24.10	0.53	0.15	1.92		
	2nd Raise		1	24.10	0.48	0.15	1.74		
	3rd Raise		1	24.20	0.43	0.15	1.56		
	4th Raise		1	24.05	0.46	0.15	1.66		
	5th Raise		1	24.05	0.47	0.15	1.70		
	6th Raise		1	24.10	0.47	0.15	1.70		
	7th Raise		1	13.80	4.10	0.15	8.49		
	Plat form		1	10.10	5.97	0.15	9.04		

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate In Rs.	Amount in Rs.
	South Side Steps								
	For Plinth GL		1	33.45	1.50	0.30	15.05		
	For Tread		1	33.45	0.30	0.15	1.51		
			1	10.00	1.05	0.15	1.58		
	2nd Tread		1	43.10	0.94	0.15	6.08		
	3rd Tread		1	42.80	0.97	0.15	6.23		
	4th Tread		1	42.30	0.89	0.15	5.65		
	5th Tread		1	41.80	0.88	0.15	5.52		
	6th Tread		1	41.00	0.90	0.15	5.54		
	7th Tread		1	41.80	0.98	0.15	6.14		
	8th Tread		1	41.75	0.70	0.15	4.38		
	9th Tread		1	40.90	1.00	0.15	6.14		
	South Side Steps								
	For Raise		1	33.45	0.15	0.15	0.75		
			1	33.45	0.20	0.15	1.00		
			1	10.00	0.15	0.40	0.60		
	2nd Raise		1	43.10	0.46	0.15	2.97		
	3rd Raise		1	42.80	0.45	0.15	2.89		
	4th Raise		1	42.30	0.42	0.15	2.66		
	5th Raise		1	41.80	0.45	0.15	2.82		
	6th Raise		1	41.00	0.44	0.15	2.71		
	7th Raise		1	41.80	0.44	0.15	2.76		
	8th Raise		1	41.75	0.41	0.15	2.57		
			1	40.90	0.27	0.15	1.66		
	9th Raise					Total Qty	156.60	6594.26	1032662.60
7	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, . propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (I.No:4.32, P.No:16, SR 2016-17)								
	South Sid Steps For Raise								
	For Raise		1	24.10		0.60	14.46		
	2nd Raise		1	24.10		0.60	14.46		
	3rd Raise		1	24.10		0.60	14.46		
	4th Raise		1	24.20		0.60	14.52		
	5th Raise		1	24.05		0.60	14.43		
	6th Raise		1	24.05		0.60	14.43		
	7th Raise		1	24.10		0.60	14.46		
	South Side Steps								
	For Raise		1	33.45		0.30	10.04		
			1	33.45		0.30	10.04		
			1	10.00		0.30	3.00		
	2nd Raise		1	43.10		0.60	25.86		
	3rd Raise		1	42.80		0.60	25.68		
	4th Raise		1	42.30		0.60	25.38		
	5th Raise		1	41.80		0.60	25.08		
	6th Raise		1	41.00		0.60	24.60		
	7th Raise		1	41.80		0.60	25.08		
	8th Raise		1	41.75		0.60	25.05		
	9th Raise		1	40.90		0.60	24.54		
		Sqm				Total Qty	325.56	395.28	128687.36
8	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 TMT bars Fe 500 (I.No:4.46, P.No:17, SR 2016-17)								
	Consider 67 kg/Cum for Beam		1	156.60	67.00		10492.22		
	For Water Fountain 7Kg/Sqm		1	1900.00	7.00		13300.00		
						Total	23792.22		
	Steel qty /1000	Tonne				Total Qty	23.79	64243.42	1528493.27

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
9	Excavation in Soil using Hydraulic Excavator CK 90 and Tippers with Disposal KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location and complete as per specifications.(P.No. 143, I.No. 19.14 SR 2016-17)								
	Water Fountain Mallasandra(gutte)Park	Cum							
	Water Fountain Area								
			1	1900.00		0.60	1140.00		
						Total Qty	**1140.00**	**80.76**	**92066.40**
10	KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications.(P.No. 149, I.No. 19.64)								
	Water Fountain Mallasandra(gutte)Park	Sqm							
	Water Fountain Area		1	1900.00			1900.00		
						Total Qty	**1900.00**	**5.30**	**10070.00**
11	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305 (Page No. 177, It No. 22.5 of KPWD S.R 2016-17)								
	Water Fountain Mallasandra(gutte)Park	Cum							
	Water Fountain Area			As per Volume sheet			**2945.00**		
	Deduct Voids						**294.50**		
						Total Qty	**2650.50**	**320.12**	**848478.06**
12	KSRRB M400-6.1. Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method. - For Grading II Material (P.No.155, I.No. 20.4.2)								
	Water Fountain Mallasandra(gutte)Park	Cum							
	Water Fountain Area		1	1900.00		0.15	285.00		
						Total Qty	**285.00**	**1665.26**	**474599.10**
13	KSRRB M600-2. Cement Concrete Pavement :- Construction of un- reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with 25mm and down size graded granite metal coarse aggregate with superplastisizer at 3lts conforming to IS 9103- 1999 reaffirmed 2008, (Coarse and fine aggregate conforming to IS:383) mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. MORTH Specification No. 602. - with M30 @ 360 Kg/cum Cement, C.A, 0.69 cum F.A. 0.46 cum (Page No. 175, It No. 22.2.1 of KPWD S.R 2016-17)								
	Water Fountain Mallasandra(gutte)Park	Cum							
	Water Fountain Area		1	1900.00		0.15	285.00		
						Total Qty	**285.00**	**7110.48**	**2026486.80**
4	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. (Page No. 177, It No. 22.7 of KPWD S.R 2016-17)								
		Sqm							
			1	1900.00			1900.00		
						Total Qty	**1900.00**	**95.40**	**181260.00**
								Total Constrution cost	**88,25,854.26**
								Design Report,Proof Checking & PMC Amount	**2,00,000.00**
								KRIDL Charges 11%	**9,70,843.97**

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate In Rs.	Amount In Rs.
								Sub Total	99,96,698.23
								Miscellaneous & Rounding Off	3,301.77
								Grand Total	100,00,000.00

Certificate:-

1. The work spot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2016-17
4. The provisions made in the estimate are necessary and essential.

SRI SAI CONSULTANTS ★ BANGALORE-50 ★

Consultants
For Sri Sai Consultants

Assistant Engineer
Ward No.13
BBMP - Bangalore

Assistant Executive Engineer
Dasarahalli Project Division
BBMP - Bangalore

Executive Engineer
Dasarahalli Project Division
BBMP - Bangalore

ನಂ: 06/17-18 ದಿನಾಂಕ: dt 25.09.17
ರೂ: 1,00,00,000.0/- Rupees
Lakh only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

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ದಾಸನಹಳ್ಳಿ ವಲಯ, ಬಿಬಿಎಂಪಿ

ನಂ. CE/02/TS/130/17-18 ದಿನಾಂಕ: 25/09/2017
ರೂ. ₹. 100.00 Lakhs only
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ತಾಂತ್ರಿಕ ಸಹಾಯಕರು

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

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